



Microresistivity Log

Pioneer Energy Services

API No.

15-053-21,306-00-00

Company **Castle Resources, Inc.**

Well **Mehl #1**

Field **Stoltenberg**

County **Ellsworth** State

Kansas

Location

**E2-SE-SW-NW
2310' FNL & 1200' FWL**

Other Services
CNL/CDL
DIL

Sec: **18** Twp: **17S** Rge: **9W**

Permanent Datum **Ground Level** Elevation **1796**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Elevation

K.B. 1801
D.F. 1796
G.L. 1796

Date **3/3/2014**

Run Number **Two**

Depth Driller **3351**

Depth Logger **3344**

Bottom Logged Interval **3343**

Top Log Interval **3000**

Casing Driller **8.625 @ 303**

Casing Logger **300**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **12,000**

Density / Viscosity **9.2 42**

pH / Fluid Loss **9.0 13.6**

Source of Sample **Flowline**

Rm @ Meas. Temp **.82 @ 40**

Rmf @ Meas. Temp **.62 @ 40**

Rmc @ Meas. Temp **1.11 @ 40**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.30 @ 110**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **110**

Equipment Number **15**

Location **Hays**

Recorded By **J. Henrickson**

Witnessed By **Jerry Green**

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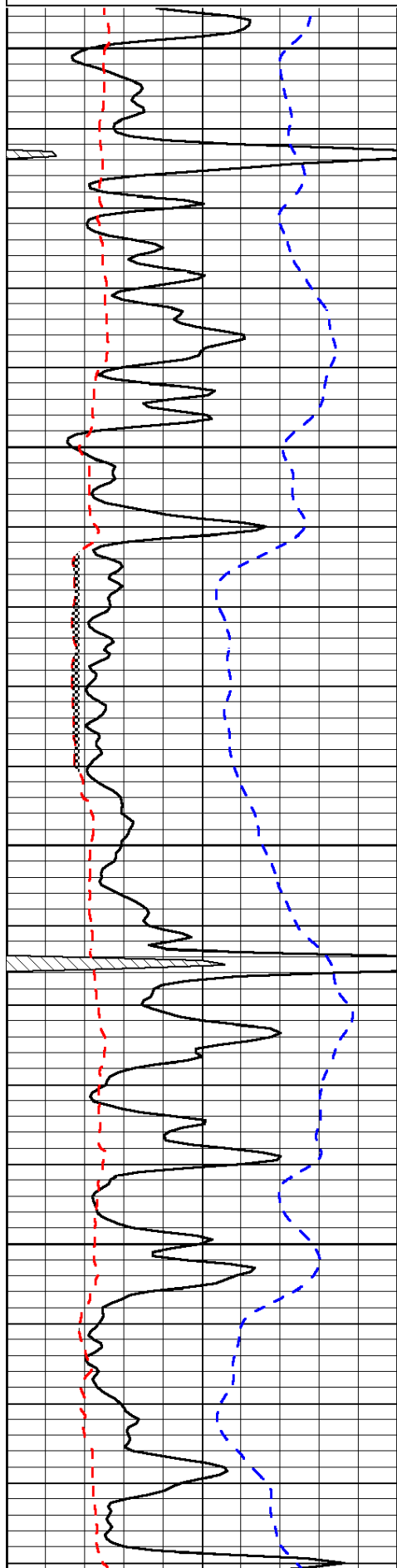
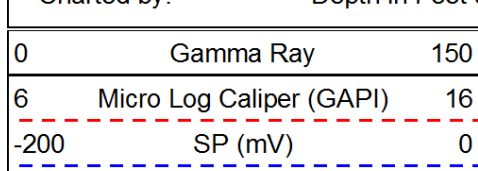
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Bushton Kansas
2 East, 4 North, East Into

Database File: c:\warrior\data\castle_mehl #1\castle_mehl_1hd.db
Dataset Pathname: DIL/casstk
Presentation Format: micro
Dataset Creation: Mon Mar 03 22:50:56 2014
Charted by: Depth in Feet scaled 1:240

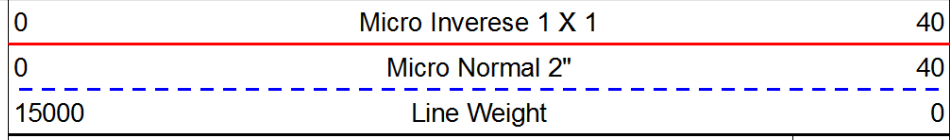


2950

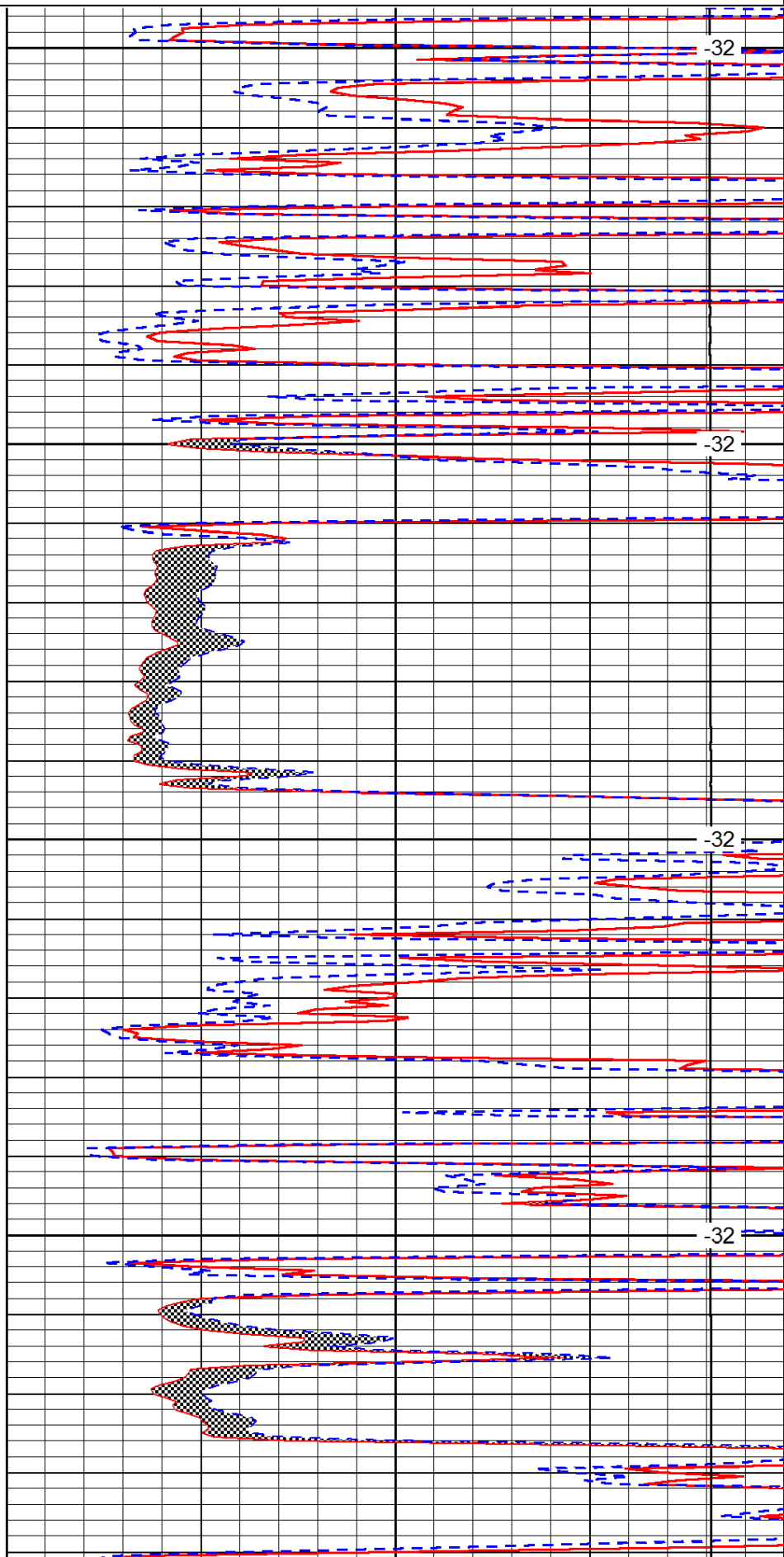
3000

3050

3100



LSPD

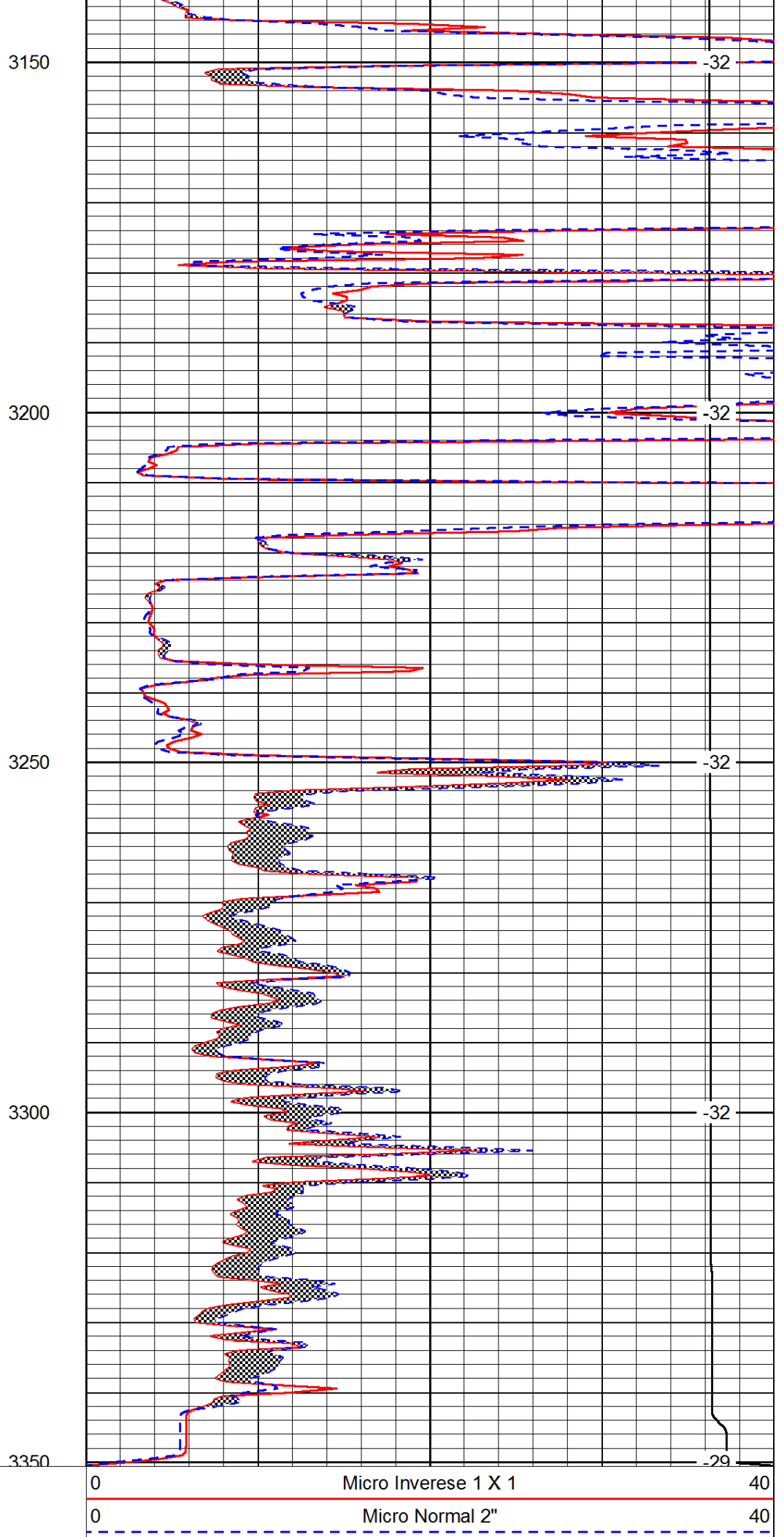
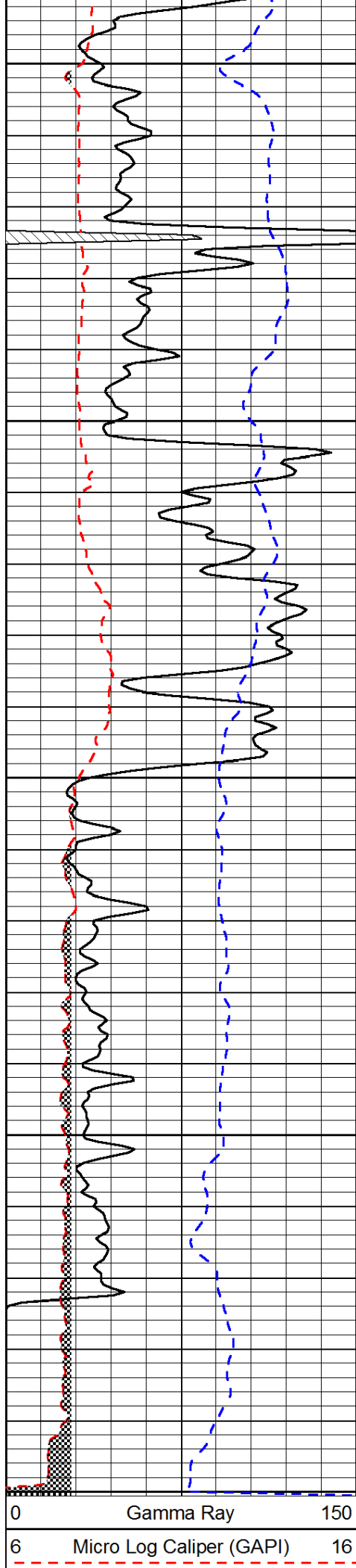


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-200 SP (mV) 0

15000 Line Weight 0

LSPD